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leprosy, plague, trichinosis, smallpox, varioloid, enteric or typhoid fever, diphtheria, membranous croup, scarlet fever, malaria, tuberculosis in any of its manifestations, trachoma, hydrophobia, glanders, anthrax, chicken-pox, and anterior poliomyelitis or infantile paralysis.

* * * * *

In addition to the communicable diseases, physicians are required to report industrial diseases such as lead or mercurial poisoning, together with feeble-mindedness and epilepsy. Upon the receipt of these reports the State department of health is required to forward the reports of industrial diseases to the department of labor and the reports of feeble-mindedness and epilepsy to the commissioner of charities and correction.

STATE AND INSULAR HEALTH AUTHORITIES.

Directories of the State and insular health authorities of the United States for the years 1912, 1913, 1914, and 1915 have been published in the Public Health Reports¹ for the information of health officers and others interested in public-health activities.

The following directory for 1916 has been compiled from data furnished by the respective State and insular health officers:

ALABAMA.

Board of censors of the State medical association acting as a committee of public health:

W. H. Sanders, M. D., chairman, Montgomery.
 I. L. Watkins, M. D., Montgomery.
 S. W. Welch, M. D., Talladega.
 Charles A. Mohr, M. D., Mobile.
 V. P. Gaines, M. D., Mobile.
 D. F. Talley, M. D., Birmingham.
 Louis W. Johnston, M. D., Tuskegee.
 B. L. Wyman, M. D., Birmingham.
 Glenn Andrews, M. D., Montgomery.
 S. G. Gay, M. D., Selma.

Executive health officer:

W. H. Sanders, M. D., Montgomery.

Registrar:

H. G. Perry, M. D.

Laboratory:

P. B. Moss, M. D., director.

Fiscal year ends September 30.

ALASKA.

Commissioner of health, ex officio:

J. F. A. Strong, governor, Juneau.

ARIZONA.

Board of health:

George W. P. Hunt, governor, president, Phoenix.

Wiley E. Jones, attorney general, vice president, Phoenix.

Robert N. Looney, M. D., secretary, Prescott.

Executive health officer:

Robert N. Looney, superintendent of public health, Prescott.

Chemist and bacteriologist:

Charles A. Meserve, M. D., Tucson.

Appropriation for health department:

\$2,800 for current year.

Fiscal year ends June 30.

ARKANSAS.

Board of health:

L. A. Buckner, M. D., president, Dermott.

S. A. Southall, M. D., Lonoke.

H. L. Montgomery, M. D., Gravelly.

B. A. Fletcher, M. D., Augusta.

C. F. Crosby, M. D., Heber Springs.

H. R. Webster, M. D., Texarkana.

J. T. Clegg, M. D., Siloam Springs.

Executive health officer:

C. W. Garrison, M. D., State health officer, Little Rock.

Fiscal year ends March 31.

CALIFORNIA.

Board of health:

George E. Ebright, M. D., president, San Francisco.

F. E. Gundrum, M. D., vice president, Sacramento.

Wilbur A. Sawyer, M. D., secretary and executive officer, Sacramento.

W. Le Moyne Wills, M. D., Los Angeles.

Adelaide Brown, M. D., San Francisco.

Edward F. Glaser, M. D., San Francisco.

Robert A. Peers, M. D., Colfax.

¹ Reprints Nos. 83, 123, 190, and 268 from the Public Health Reports.

Bureau of administration:

Llewellyn B. Mallory, director, Sacramento.

Bureau of tuberculosis:

Edythe L. M. Tate, director, Sacramento.

Bureau of registration of nurses:

Anna C. Jamme, R. N., director.

Bureau of the hygienic laboratory:

James G. Cumming, director, Berkeley.

Bureau of foods and drugs:

Prof. Edwin J. Lee, director, Berkeley.

Bureau of sanitary engineering:

Chester G. Gillespie, director, Berkeley.

Bureau of vital statistics:

George D. Leslie, Ph. B., director and statistician, Sacramento.

Appropriations for health department:

Biennial period.

Statutory salaries..... \$43,000

Support of food and drug laboratory..... 58,000

Support of hygienic laboratory..... 36,350

Travelling and contingent expenses..... 35,400

Printing..... 8,000

Contagious diseases..... 50,000

Tuberculosis..... 75,000

Antirabic virus..... 5,000

Sanitary engineering..... 30,000

Stenographer..... 2,400

Other sources of revenue:

Nurses' registration fees, \$10 a fee.

Fees for certified copies of births, marriages, and deaths, 50 cents a certificate.

Cold-storage licenses, from \$15 to \$50 a year, according to capacity.

Pure-food fines, one-half of what is collected.

Fiscal year ends June 30.

COLORADO.**Board of health:**

L. G. Crosby, M. D., president, Ouray.

Charles A. Bundsden, M. D., vice president, Denver.

S. R. McKelvey, M. D., secretary, Denver.

Sherman Williams, M. D., Denver.

Jacob Campbell, M. D., Boulder.

H. F. Merryweather, Denver.

A. C. McCain, M. D., Ault.

A. W. Scott, Fort Collins.

C. G. Hickey, M. D., Denver.

Executive health officer:

S. R. McKelvey, M. D., Denver.

CONNECTICUT.**Board of health:**

Edward K. Root, M. D., president, Hartford.

Albert W. Phillips, M. D., Derby.

Board of health—Continued.

Lewis Sperry, South Windsor.

Arthur J. Wolff, M. D., Hartford.

Louis J. Pons, M. D., Milford.

J. Frederick Jackson, Ph. B., Hamden.

John T. Black, M. D., secretary, Hartford.

Executive health officer:

John T. Black, M. D., Hartford.

Bacteriologist and director of laboratory:

Herbert W. Conn, Ph. D., Middletown.

Sanitary engineer:

J. Frederick Jackson, Ph. B., Hamden.

Sanitary inspector:

George C. Ham, Ph. B., Naugatuck.

Appropriation for health department:

\$48,000 for two years ending September 30, 1917.

Fiscal year ends September 30.

DELAWARE.**Board of health:**

William P. Orr, M. D., president, Lewes.

J. W. Clifton, M. D., Smyrna.

A. E. Frantz, M. D., secretary, Wilmington.

W. F. Haines, M. D., Seaford.

J. A. Draper, M. D., Wilmington.

E. R. Steele, M. D., Dover.

C. A. Ritchie, M. D., Wilmington.

Executive health officer:

A. E. Frantz, M. D., Wilmington.

Pathologist and bacteriologist:

H. J. Watson.

Fiscal year ends June 30.

DISTRICT OF COLUMBIA.**Executive health officer:**

William C. Woodward, M. D.

Assistant health officer:

John L. Norris, M. D.

Deputy and chief clerk:

Harry C. McLean.

Chief contagious disease service:

William C. Fowler, M. D.

Bacteriologist:

J. J. Kinyoun, M. D.

Chemist:

M. A. Pozen, B. S., Phar. D.

Chief sanitary inspector:

C. R. Holman.

Chief food inspector:

R. S. Wilson.

Appropriation for health department:

For salaries of regular force.. \$64,940

For enforcement of the provisions of the act of Congress to prevent the spread of contagious diseases, \$12,000 for personal services and \$13,000 for supplies..... 25,000

Appropriation for health department—Continued.

For the maintenance of disinfecting service, which includes compensation for personal services, purchase and maintenance of horses, wagons, harness, etc-----	\$6, 000
For the enforcement of the act to provide for the drainage of lots-----	1, 500
For special services in connection with the detection of the adulteration of drugs and foods-----	100
For maintaining and keeping in good order, and for purchase of reference books and scientific periodicals, bacteriological laboratory--	1, 000
For the contingent expenses for the enforcement of an act of Congress to regulate the sale of milk-----	1, 000
For the necessary inspection of dairy farms, including \$240 per annum each to the health officer, assistant health officer, medical inspector in charge of contagious diseases, and six inspectors of dairy farms for maintenance of vehicles, and also \$100 per annum each for such sanitary inspectors as commissioners may determine for maintenance of motor cycle and \$25 each for bicycles--	6, 000
For isolating wards of Garfield and Providence Hospitals, \$7,000 and \$5,000 per annum, respectively---	12, 000
For maintenance, including personal services, of public crematory-----	2, 000
Chemical laboratory--	
For purchase and installation of new apparatus and equipment----	2, 080
For the replacement of apparatus and equipment-----	755
For maintaining and keeping in good order, and for the purchase of reference books and scientific periodicals--	500
For maintenance of one motor vehicle for the sanitary and food inspection service-----	400

124,475

FLORIDA.

Board of health :

F. J. Fearnside, president, Palatka.
C. G. Memminger, Lakeland.
S. R. Mallory Kennedy, M. D., Pensacola.

Secretary of the board and executive officer :
Joseph Y. Porter, M. D., State health officer, Jacksonville.

Assistant to the State health officer :
C. H. Dobbs, M. D., Jacksonville.

Senior bacteriologist :
Henry Hanson, M. D., Jacksonville.

Statistician, bureau of vital statistics :
F. L. Watkins, M. D., Jacksonville.

Sanitary engineer :
George W. Simons, jr., Jacksonville.

Veterinarian :
Charles F. Dawson, M. D., D. V. S., Jacksonville.

Appropriation for health department :
One-half mill direct tax levy upon all assessable property, estimated to amount to \$150,000 for the current year.

Fiscal year ends December 31.

GEORGIA.

Board of health :

Howard J. Williams, M. D., president, Macon.

W. H. Doughty, jr., M. D., vice president, Augusta.

H. F. Harris, M. D., secretary, Atlanta.

Thomas J. McArthur, M. D., Cordele.

W. W. Owens, M. D., Savannah.

A. D. Little, M. D., Thomasville.

James H. McDuffie, M. D., Columbus.

Hon. Robert F. Maddox, Atlanta.

W. L. Funkhouser, M. D., Rome.

Giles Hathcock, M. D., Lulu.

W. H. Doughty, jr., M. D., Augusta.

J. L. Walker, M. D., Waycross.

M. S. Brown, M. D., Fort Valley.

Peter F. Bahnsen, State veterinarian (ex officio), Atlanta.

Prof. M. L. Brittain, State school commissioner (ex officio), Atlanta.

J. D. Weaver, M. D., Eatonton.

Executive health officer :

H. F. Harris, M. D., Atlanta.

Laboratories :

H. F. Harris, M. D., director, Atlanta.

K. R. Collins, M. D., assistant director, director antitoxin department.

C. B. Greer, M. D., director Pasteur department.

L. T. Pattillo, M. D., bacteriologist.

Ray C. Werner, B. S., chemist in charge water analysis department.

Publicity department :

E. R. Park, M. D., director.

Fiscal year ends December 31.

HAWAII.

Territorial board of health:

J. S. B. Pratt, M. D., president, Honolulu.

Ingram M. Stainback, attorney general, Honolulu.

W. C. Hobdy, M. D., Honolulu.

George P. Denison, Honolulu.

John Markham, Honolulu.

G. J. Waller, Honolulu.

Secretary Territorial board of health:

K. B. Porter, Honolulu.

Chief sanitary inspector, Oahu:

C. Charlock, Honolulu.

Chief sanitary inspector, Hawaii:

D. S. Bowman, Hilo.

Chief sanitar- inspector, Maui:

J. L. Osmer, Wailuku.

Chief sanitary inspector, Kauai:

F. B. Cook, Waimea.

Physician in charge of tuberculosis bureau:

A. N. Sinclair, M. D., Honolulu.

Fiscal year ends June 30.

IDAHO.

Board of health:

O. B. Steely, M. D., president, Pocatello.

W. R. Hamilton, M. D., Weiser.

J. H. Peterson, attorney general, Boise.

J. H. Smith, State engineer, Boise.

Ralph Falk, M. D., secretary, Boise.

Executive health officer:

Ralph Falk, M. D., Boise.

Bacteriologist:

E. E. Laubaugh, M. D., Boise.

Chemist:

H. Louis Jackson, Boise.

Sanitary and pure-food inspector:

J. K. White, Boise.

Appropriation for health department:

For current year, \$24,245.

Fiscal year ends December 31.

ILLINOIS.

Board of health:

John A. Robison, M. D., president, Chicago.

T. A. Freeman, M. D., Mattoon.

R. D. Luster, M. D., Granite City.

E. S. Spindel, M. D., Springfield.

T. B. Lewis, M. D., Hammond.

C. St. Clair Drake, M. D., secretary.

Executive health officer:

C. St. Clair Drake, M. D., Springfield.

Chief sanitary engineer:

Paul Hansen, Springfield.

Epidemiologist:

Edward S. Godfrey, jr., M. D., Springfield.

Registrar of vital statistics:

George Thomas Palmer, M. D., Springfield.

Bacteriologist:

George F. Sorgatz, M. D., Springfield.

Chief inspector lodging-house department:

George Delvigne, Chicago.

Fiscal year ends September 30.

INDIANA.

Board of health:

James S. Boyers, M. D., president, Decatur.

H. H. Sutton, M. D., vice president, Aurora.

J. L. Freeland, M. D., Indianapolis.

Chas. B. Kern, M. D., Lafayette.

J. N. Hurty, M. D., secretary, Indianapolis.

State health commissioner:

J. N. Hurty, Indianapolis.

Assistant State health commissioner:

William F. King, M. D.

Epidemiologist:

H. H. Mitchell, M. D.

Bacteriological laboratory:

William Shimer, A. B., M. D., superintendent.

Ada E. Schweitzer, pathologist.

Food and drug commissioner and chemist:

H. E. Barnard, B. S., Ph. D.

Engineer and water chemist:

J. C. Diggs.

Statistician:

Charles A. Carter, M. D.

Sources of revenue in addition to appropriation:

The Pasteur laboratory is supported by 5 per cent of the surplus dog tax for the whole State. This amounts to \$7,032 annually. There is also available about \$430 annually, derived from licenses issued to cold-storage establishments.

Fiscal year ends September 30.

IOWA.

Board of health:

G. W. Clarke, governor, Des Moines.

W. S. Allen, secretary of state, Des Moines.

Frank S. Shaw, auditor of state, Des Moines.

W. C. Brown, treasurer of state, Des Moines.

Walter L. Bierring, M. D., president, Des Moines.

George F. Severs, M. D., Centerville.

John L. Tamisiea, M. D., Missouri Valley.

H. A. Dittmer, M. D., Manchester.

Lafayette Higgins, C. E., Des Moines.

Guilford H. Sumner, secretary, Des Moines.

Executive health officer:

Guilford H. Sumner, M. D., Des Moines.

Sanitary engineer:

Lafayette Higgins, Des Moines.

Bacteriologist:

Henry Albert, M. D., Iowa City.

Fiscal year ends June 30.

KANSAS.**Board of health:**

J. T. Axtell, M. D., president, Newton.
 Jessie T. Orr, M. D., Olathe.
 O. C. Baird, M. D., Chanute.
 Clay E. Coburn, M. D., Kansas City.
 William M. Earnest, M. D., Washington.
 C. H. Ewing, M. D., Larned.
 M. O. Lock, attorney, Topeka.
 O. D. Walker, M. D., Salina.
 C. H. Lerrigo, M. D., Topeka.
 H. L. Aldrich, M. D., Caney.
 S. J. Crumbine, M. D., secretary, Topeka.

Executive health officer:

S. J. Crumbine, M. D., Topeka.

Advisory board:

J. J. Sippy, M. D., epidemiologist, Topeka.
 C. A. Haskins, B. S., sanitary engineer, Lawrence.
 C. C. Young, M. S., director of water survey, Lawrence.
 E. H. S. Bailey, Ph. D., chemist, Lawrence.
 J. T. Willard, M. S., food analyst, Manhattan.
 L. E. Sayre, Ph. M., drug analyst, Lawrence.
 R. S. Magee, M. D., pathologist, Topeka.
 Sara E. Greenfield, M. D., bacteriologist, Topeka.
 F. W. Blackmar, sociologist, Lawrence.
 W. J. V. Deacon, statistician, Topeka.
 Leon A. Congdon, B. S., assistant chief food and drug inspector, Topeka.

Division of epidemiology:

J. J. Sippy, M. D., epidemiologist, Topeka.

Division of vital statistics:

W. J. V. Deacon, registrar, Topeka.

Division of food and drugs:

Leon A. Congdon, assistant chief food and drug inspector, Topeka.

Division of water and sewage:

Prof. C. A. Haskins, civil engineer, Lawrence.

Division of bacteriology:

S. E. Greenfield, M. D., bacteriologist, Topeka.

Water and sewage laboratory at University of Kansas:

Prof. C. C. Young, director, Lawrence.

Food laboratory at University of Kansas:

Prof. E. H. S. Bailey, director, Lawrence.

Drug laboratory:

Prof. L. E. Sayre, director, Lawrence.

Food laboratory at agricultural college:

Prof. J. T. Willard, director, Manhattan.

Division of publicity and public health education:

S. J. Crumbine, M. D., director, Topeka.

Sources of revenue other than appropriation:

Salaries of directors of laboratories, laboratory analysts and helpers, laboratory maintenance, and salaries of three engineers of the State board of health and other expert special workers are borne by the budget of the University of Kansas and State Agricultural College, at Lawrence and Manhattan, respectively, which total an aggregate sum estimated to be about \$30,000 per annum.

Fiscal year ends June 30.

KENTUCKY.**Board of health:**

John G. South, M. D., president, Frankfort.
 C. A. Fish, M. D., Frankfort.
 O. C. Robertson, M. D., Owensboro.
 Charles Z. Aud, M. D., Cecilian.
 I. A. Shirley, M. D., Winchester.
 George T. Fuller, M. D., Mayfield.
 W. W. Richmond, M. D., Clinton.
 A. T. McCormack, M. D., secretary, Bowling Green.

Advisory board:

Matt S. Cohen, secretary live-stock sanitary board, Frankfort.
 J. H. Kastle, director experiment station, Lexington.
 R. M. Allen, head pure food and drug division, Lexington.
 J. W. Gayle, M. D., secretary State board of pharmacy, Frankfort.
 A. O. Stanley, governor, president State tuberculosis commission, Frankfort.
 L. M. Maus, M. D., secretary State tuberculosis commission, Frankfort.
 John Mass, secretary State board of embalmers, Louisville.

Executive health officer:

A. T. McCormack, M. D., Bowling Green.

State sanitary engineer and chief bureau water analysis:

D. P. Curry, M. D., Bowling Green.

Chief bureau of bacteriology and of bacteriological laboratory:

L. H. South, M. D., Bowling Green.

State registrar:

W. L. Heizer, M. D., Bowling Green.

Appropriation for health department:

\$30,000 annually.

Other sources of revenue:

International Health Commission—
 \$5,000 for health work.

Fiscal year ends June 30.

LOUISIANA.**Board of health:**

Oscar Dowling, M. D., president, New Orleans.

A. H. Gladden, M. D., vice president, Monroe.

Wm. M. Perkins, M. D., secretary.

T. T. Tarlton, M. D., Grand Coteau.

Charles F. Gelbke, M. D., New Orleans.

E. M. Ellis, M. D., Crowley.

B. A. Ledbetter, M. D., New Orleans.

Thomas A. Roy, M. D., New Orleans.

Executive health officer:

Oscar Dowling, M. D., New Orleans.

State registrar of vital statistics:

G. Farrar Patton, M. D., New Orleans.

Bacteriologist:

W. H. Seemann, M. D.

Sanitary engineer:

J. H. O'Neill.

Fiscal year ends December 31.

MAINE.**Board of health:**

G. M. Woodcock, M. D., president, Bangor.

Prof. Marshall P. Cram, Brunswick.

W. L. Haskell, M. D., Lewiston.

Eugene W. Goss, Auburn.

Charles A. Creighton, Thomaston.

Paul S. Hill, M. D., Biddeford.

A. G. Young, M. D., secretary, Augusta.

Executive health officer:

A. G. Young, M. D., Augusta.

Laboratory of hygiene:

Prof. Henry D. Evans, director, Augusta.

Appropriation for health department:

Board of health-----	\$7, 000
Printing and binding-----	2, 500
Department of vital statistics--	3, 000
State laboratory of hygiene----	6, 500
Epidemic fund-----	2, 000

Total----- 21, 000

Fiscal year ends December 31.

MARYLAND.**Board of health:**

William H. Welch, M. D., president, Baltimore.

Nathan R. Gorter, M. D., commissioner, Baltimore.

Albert C. Ritchie, attorney general, Baltimore.

William W. Ford, M. D., Baltimore.

Charles E. Phelps, jr., Baltimore.

John S. Fulton, M. D., secretary, Baltimore.

Executive health officer:

John S. Fulton, M. D., Baltimore.

Bureau of communicable diseases:

C. Hampson Jones, chief, Baltimore.

Bureau of vital statistics:

Frederic V. Beitler, chief, Baltimore.

Food and drug commissioner:

Charles Caspari, jr., Baltimore.

Bureau of chemistry:

W. B. D. Penniman, chief, Baltimore.

Bureau of sanitary engineering:

Robert B. Morse, chief, Baltimore.

Bureau of bacteriology:

Wm. Royal Stokes, chief, Baltimore.

Appropriation for health department:

\$124,500 per year.

Fiscal year:

From October 1 to September 30.

MASSACHUSETTS.**Commissioner of health:**

Allan J. McLaughlin, M. D., Brookline.

Public health council:

Allan J. McLaughlin, M. D., chairman, Brookline.

William T. Sedgwick, Ph. D., Sc. D., Boston.

John T. Wheelwright.

David L. Edsall, M. D., Milton.

George C. Whipple, S. B., Cambridge.

William J. Gallivan, A. B., M. D., Boston.

Joseph E. Lamoureux, M. D., Lowell.

Division of sanitary engineering:

X. H. Goodnough, C. E., Boston.

Division of communicable diseases:

E. R. Kelley, M. D., director, Boston.

Division of water and sewage laboratories:

H. W. Clark, director and chemist, North Andover.

Division of biologic laboratories:

Milton J. Rosenau, M. D., director and pathologist, Boston.

Division of food and drugs:

Hermann C. Lythgoe, director and analyst.

Division of hygiene:

Selskar M. Gunn, director, Boston.

Appropriation for health department:

\$226,740 for the year 1916.

Fiscal year ends November 30.

MICHIGAN.**Board of health:**

Victor C. Vaughan, M. D., president, Ann Arbor.

Edward T. Abrams, M. D., vice president, Hancock.

Jno. L. Burkart, M. D., secretary, Lansing.

John H. Kellogg, M. D., Battle Creek.

Andrew P. Biddle, M. D., Detroit.

William D. Farley, Battle Creek.

Henry S. Bartholomew, M. D., Lansing.

Executive health officer:

Jno. L. Burkart, M. D., Lansing.

Laboratory division:**Lansing—**

A. A. Spoor, M. D., bacteriologist,
Lansing.

George T. Buckell, M. A., assist-
ant bacteriologist, Lansing.

Houghton—

E. R. Chambers, B. S., bacteri-
ologist, Houghton.

Engineering division:

E. D. Rich, C. E., State sanitary engi-
neer, Lansing.

MINNESOTA.**Board of health:**

W. A. Jones, M. D., president, Minne-
apolis.

C. Graham, M. D., vice president,
Rochester.

W. C. Chambers, M. D., Blue Earth.

C. W. More, M. D., Eveleth.

Egil Boeckmann, M. D., St. Paul.

Werner Hemstead, M. D., Brainerd.

F. N. Hunt, M. D., Fairmont.

David N. Jones, M. D., Minneapolis.

L. P. Wolff, C. E., St. Paul.

Executive health officer:

H. M. Bracken, M. D., St. Paul.

Division of preventable diseases:

A. J. Chesley, M. D., director, Minne-
apolis.

Division of sanitation:

H. A. Whittaker, director, Minneapolis.

Fiscal year ends July 31.

MISSISSIPPI.**Board of health:**

C. D. Mitchell, president, Pontotoc.

T. F. Elkin, M. D., Tupelo.

L. L. McDougal, M. D., Booneville.

J. H. McNeill, M. D., Olive Branch.

S. E. Eason, M. D., New Albany.

T. W. Reagan, M. D., Union.

W. W. Hall, M. D., Ruleville.

S. W. Glass, M. D., Lyon.

T. H. Seay, M. D., Laurel.

H. F. Garrison, M. D., Seminary.

B. L. Crawford, M. D., Tylertown.

J. H. Johnson, M. D., Brookhaven.

J. D. Gilleylen, M. D., Jackson.

Secretary and executive officer:

J. D. Gilleylen, M. D., Jackson.

Director of public health:

W. S. Leathers, M. D., University.

Chief sanitary inspector:

Wiley Walley, M. D., Jackson.

Directory of the laboratory:

C. R. Stingily, M. D., Jackson.

Deputy State registrar:

R. W. Hall, M. D., Lumberton.

Appropriation for health department:
\$32,000.

Fiscal year ends December 31.

MISSOURI.**Board of health:**

F. H. Matthews, M. D., president,
Liberty.

G. O. Cuppidge, M. D., vice president,
Moberly.

J. A. B. Adcock, M. D., secretary,
Jefferson City.

G. B. Schulz, M. D., Cape Girardeau.

R. L. Wills, M. D., Neosho.

Ira W. Upshaw, M. D., St. Louis.

T. H. Wilcoxon, M. D., Bowling Green.

Executive health officer:

J. A. B. Adcock, M. D., State registrar
of vital statistics, Jefferson City.

Chief statistician:

C. J. Kaiser, Jefferson City.

State bacteriologist:

George H. Jones, M. D., Jefferson City.

Fiscal year ends December 31.

MONTANA.**Board of health:**

D. J. Donohue, M. D., president, Glen-
dive.

W. J. Butler, M. D., vice president,
Helena.

W. F. Cogswell, M. D., secretary,
Helena.

Samuel V. Stewart, governor, Helena.

J. B. Poindexter, attorney general,
Helena.

S. A. Cooney, M. D., Helena.

E. F. Maginn, M. D., Butte.

Executive health officer:

W. F. Cogswell, M. D., Helena.

Bacteriologist:

Emil Starz, Helena.

Chemist:

Prof. W. M. Cobleigh, Bozeman.

Fiscal year ends February 28.

NEBRASKA.**Board of health:**

John H. Morehead, governor, Lincoln.

Willis E. Reed, attorney general, Lin-
coln.

A. O. Thomas, superintendent of pub-
lic instruction, Lincoln.

Board of secretaries:

C. T. Burchard, M. D., president, Falls
City.

E. Arthur Carr, M. D., vice president,
Lincoln.

L. Stark, M. D., treasurer, Hartington.

H. B. Cummins, M. D., secretary,
Seward.

State health inspector:

J. D. Case, M. D., Lincoln.

Department of bacteriology:

William F. Wild, M. D., director.

Department of vital statistics:

J. D. Case, M. D., director.

Fiscal year ends April 30.

NEVADA.**Board of health:**

W. H. Hood, M. D., president, Reno.

R. H. Mullin, M. D., Reno.

S. L. Lee, M. D., secretary, Carson.

Executive health officer:

S. L. Lee, M. D., Carson.

State hygienic laboratory:

W. B. Mack, M. D., director.

Fiscal year ends December 31.

NEW HAMPSHIRE.**Board of health:**

Rolland H. Spaulding, governor, Rochester.

James P. Tuttle, attorney general, Manchester.

Robert Fletcher, C. E., president, Hanover.

Geo. C. Wilkins, M. D., Manchester.

D. E. Sullivan, M. D., Concord.

Irving A. Watson, M. D., secretary, Concord.

Executive health officer:

Irving A. Watson, M. D., Concord.

Laboratory of hygiene:

Irving A. Watson, M. D., director, Concord.

Charles D. Howard, B. S., chemist, Concord.

H. N. Kingsford, M. D., bacteriologist, Hanover.

Chas. Duncan, M. D., bacteriologist, Concord.

NEW JERSEY.**Board of health:**

William H. Chew, president, Salem.

M. N. Baker, C. E., vice president, Montclair.

E. A. Ayers, M. D., Branchville.

Oliver Kelly, Oak Tree.

Clyde Potts, C. E., Morristown.

J. Oliver McDonald, M. D., Trenton.

Henry Spence, M. D., Jersey City.

John M. Everitt, V. M. D., Hacketts-town.

Executive health officer:

Jacob C. Price, director of health and secretary of the board, Trenton.

Assistant director of health:

R. B. Fitz-Randolph.

Division of general administration:

Charles J. Merrell, chief clerk.

Bureau of medical supervision:

A. Clark Hunt, M. D., chief.

Bureau of local health administration:

D. C. Bowen, chief.

Bureau of food and drugs:

Wm. G. Tice, B. Sc., acting chief.

Division of milk control—

Geo. W. McGuire, chief.

Bureau of vital statistics:

David S. South, chief.

Bureau of engineering:

Chester G. Wigley, C. E., chief.

Bureau of education and publicity:

Millard Knowlton, M. D., chief.

Division of child hygiene and nursing—

Bertha F. Johnson, M. D., chief.

Laboratory of hygiene:

R. B. Fitz-Randolph, chief.

Appropriation for health department:

\$128,000.

Fiscal year ends October 31.

NEW MEXICO.**Board of health:**

J. A. Massie, M. D., president, Santa Fe.

R. K. McClanahan, M. D., vice president, East Las Vegas.

W. E. Kaser, M. D., secretary-treasurer, East Las Vegas.

L. G. Rice, M. D., Albuquerque.

W. T. Joyner, M. D., Roswell.

W. R. Lovelace, M. D., Albuquerque.

G. V. Hackney, M. D., San Marcial.

Executive health officer:

W. E. Kaser, M. D., East Las Vegas.

Appropriation for health department:

None.

Fiscal year ends December 31.

NEW YORK.**Public health council:**

Hermann M. Biggs, M. D., Albany.

Simon Flexner, M. D., New York.

Henry M. Ogden, C. E., Ithaca.

Mrs. Elmer Blair, Albany.

Homer Folks, Yonkers.

Wilhelm Gaertner, Buffalo.

T. Mitchell Prudden, M. D., New York City.

Executive health officer:

Hermann M. Biggs, M. D., commissioner of health, Albany.

Deputy commissioner of health:

Linsly R. Williams, M. D., Albany.

Secretary:

Willard J. Denno, M. D., Albany.

Consulting staff:

Wm. H. Park, M. D., New York City department of health.

Theobald Smith, M. D., Rockefeller institute for Medical Research.

Alvah H. Doty, M. D.

Geo. D. Stewart, M. D., New York University, New York.

Frederic C. Curtis, M. D., Albany.

L. Emmett Holt, M. D., Columbia University, New York.

Prof. Walter F. Wilcox, Cornell University, Ithaca.

Prof. C. E. A. Winslow, Yale University, New Haven.

Division of sanitary engineering:

Theodore Horton, chief engineer, Albany.

Division of laboratories and research:

Augustus B. Wadsworth, M. D., director, Albany.

Division of vital statistics:

Cressy L. Wilbur, M. D., director, Albany.

Division of communicable diseases:

Fred. M. Meader, M. D., director, Albany.

Division of child hygiene:

Henry L. K. Shaw, M. D., director, Albany.

Division of public health education:

Matthias Nicoll, jr., M. D.

Division of public health nursing:

C. Josephine Durkee.

Division of sanitary supervisors:

Otto R. Eichel, M. D.

Fiscal year ends October 1.

NORTH CAROLINA.

Board of health:

J. Howell Way, M. D., president, Waynesville.

Richard H. Lewis, M. D., Raleigh.

J. L. Ludlow, C. E., Winston-Salem.

W. O. Spencer, M. D., Winston-Salem.

Thomas E. Anderson, M. D., Statesville.

Charles O'H. Laughinghouse, M. D., Greenville.

Edward J. Wood, M. D., Wilmington.

F. R. Harris, M. D., Henderson.

Cyrus Thompson, M. D., Jacksonville.

Executive health officer:

W. S. Rankin, M. D., secretary and treasurer, Raleigh.

State laboratory of hygiene:

C. A. Shore, M. D., director.

Bureau of engineering and education:

Warren H. Booker, C. E., chief.

Bureau of vital statistics:

J. R. Gordon, M. D., chief.

State sanatorium:

L. B. McBrayer, M. D., superintendent.

Bureau of rural sanitation:

Geo. M. Cooper, M. D., chief.

Fiscal year ends November 30.

NORTH DAKOTA.

Board of health:

H. J. Linde, attorney general, president, Bismarck.

A. M. Call, M. D., vice president, Rugby.

C. J. McGurrien, M. D., secretary, Devils Lake.

Executive health officer:

C. J. McGurrien, M. D., Devils Lake.

Bacteriologist:

L. D. Bristol, M. D.

Pure food commissioner:

Prof. E. F. Ladd.

Fiscal year ends June 30.

OHIO.

Board of health:

Angus MacIvor, M. D., president, Marysville.

H. T. Sutton, M. D., vice president, Zanesville.

Wm. T. Miller, M. D., Cleveland.

Homer C. Brown, D. D. S., Columbus.

Oscar Hasencamp, M. D., Toledo.

J. Morton Howell, M. D., Dayton.

W. W. Ryall, M. D., Youngstown.

Edward C. Turner, attorney general, Columbus.

Executive health officer:

Assistant secretary:

James E. Bauman attorney at law, Columbus.

Division of sanitary engineering:

W. H. Dittoe, cer. engr., chief engineer, Columbus.

Division of laboratories:

L. H. van Buskirk, B. S., in chem. eng., director, Columbus.

Division of public health education and tuberculosis:

R. G. Paterson, Ph. D., director, Columbus.

Division of communicable diseases:

F. G. Boudreau, M. D., C. M., director, Columbus.

Division of industrial hygiene:

E. R. Hayhurst, A. M., M. D., director, Columbus.

Division of child hygiene:

Frances M. Hollingshead, A. M., M. D., director, Columbus.

Division of plumbing inspection:

W. C. Groeniger, State inspector, Columbus.

OKLAHOMA.

State commissioner of health:

John W. Duke, M. D., Guthrie.

OREGON.

Board of health:

W. B. Morse, M. D., president, Salem.

E. A. Pierce, M. D., Portland.

E. B. Pickel, M. D., Medford.

A. C. Seely, M. D., Roseburg.

Andrew C. Smith, M. D., Portland.

M. B. Marcellus, M. D., Portland.

David N. Roberg, M. D., secretary, Portland.

Executive health officer:

David N. Roberg, M. D., Portland.

State bacteriological laboratory:

David N. Roberg, M. D., director, Portland.

Bacteriologist:

Miss Emma Howe.

Assistant State registrar:

Miss A. L. McBride.

Appropriation for health department:
\$15,000.

Fiscal year ends December 31.

PENNSYLVANIA.

Executive health officer:

Samuel G. Dixon, M. D., LL. D., commissioner of health, Harrisburg.

Assistant to commissioner:

J. W. Warren, M. D., Harrisburg.

Secretary:

Harry Lindley, Harrisburg.

Advisory board:

Adolph Koenig, M. D., Pittsburgh.

Lee Masterton, C. E., Johnstown.

Charles B. Penrose, M. D., Philadelphia.

Daniel P. Gerberich, M. D., Lebanon.

Clarence J. Marshall, M. D., Harrisburg.

Division of medical inspection:

B. Franklin Royer, M. D., chief medical inspector, Harrisburg.

Laboratories and experimental station:

J. B. Rucker, jr., M. D., chief of the laboratories, Philadelphia.

Division of sanatoria:

F. C. Johnson, M. D., medical director, Sanatorium for Tuberculosis, No. 1, Mont Alto.

W. G. Turnbull, M. D., medical director, Sanatorium for Tuberculosis, No. 2, Cresson.

T. H. A. Stites, M. D., medical director, Sanatorium for Tuberculosis, No. 3, Hamburg.

Division of tuberculosis dispensaries:

Carl Schaffle, M. D., medical inspector, Harrisburg.

Division of distribution of biological products:

J. Moore Campbell, M. D., chief, Harrisburg.

Division of sanitary engineering:

C. A. Emerson, jr., acting chief engineer.

Bureau of vital statistics:

Wilmer R. Batt, M. D., State registrar, Harrisburg.

Division of accounting and purchasing:

E. I. Simpson, chief, Philadelphia.

Division of supplies:

Charles Hartzell, superintendent, Harrisburg.

Appropriation for health department:

\$4,368,431.45 for two years, June 1, 1915, to June 1, 1917.

Fiscal year ends June 1.

PHILIPPINE ISLANDS.

Director of health:

J. D. Long, surgeon, United States Public Health Service, Manila.

Assistant director of health:

Vicente de Jesus, M. D., Manila.

Baguio hospital division:

Frank W. Vincent, M. D., chief, Baguio, Benguet.

Bontoc hospital division:

Henry Pick, M. D., acting chief, Bontoc, Mountain Province.

Butuan hospital division:

Florentino Ampil, M. D., chief, Butuan, Agusan.

Clerical division:

D. W. Egner, chief, Manila.

Culion leper colony division:

Paul Clements, M. D., chief, Culion.

Inspection division:

Vicente de Jesus, M. D., chief, Manila.

Iwahig penal colony division:

Jose Marfori, M. D., acting chief, Puerto Princesa, Palawan.

Philippine General Hospital division:

W. E. Musgrave, M. D., director, Manila.

Philippine General Hospital School of Nursing:

Miss Elsie P. McCloskey, chief nurse and superintendent, Manila.

Prison sanitation division:

J. W. Smith, M. D., chief, Manila.

Property division:

B. D. Burnham, chief, Manila.

Sanitary engineering division:

George H. Guerdum, chief, Manila.

San Lazaro Hospital division:

Almon P. Goff, M. D., chief, Manila.

Southern Islands Hospital division:

Arlington Pond, M. D., chief, Cebu.

Statistical division:

Manuel Gomez, M. D., chief, Manila.

Fiscal year ends December 31.

PORTO RICO.

Board of health:

Francisco del Valle Atilas, M. D., president, San Juan.

Jose N. Carbonell, M. D., San Juan.

Jorge Dominguez, San Juan.

Eliseo Font y Guillot, M. D., San Juan.

Jose J. Monclova, San Juan.

Gustavo Muñoz y Diaz, M. D., San Juan.

Jose Lugo-Viña, M. D., secretary, San Juan.

Francis W. Dalrymple, San Juan.

Executive health officers:

William F. Lippitt, M. D., director of sanitation, San Juan.

A. Ruiz Soler, M. D., assistant director of sanitation, San Juan.

Appropriation for health department:

Sanitation service proper— \$149,860.00

Leper colony— 11,911.00

Quarantine hospital— 2,032.00

Suppression of anemia— 8,000.00

Appropriation for health department—Continued.

Emergency fund, control and suppression of epidemics -----	\$33, 690. 59
Suppression of trachoma-----	5, 243. 08
Mosquito extermination-----	9, 664. 00
Rat extermination-----	3, 000. 00

223, 400. 67

Fiscal year ends June 30, 1916.

RHODE ISLAND.

Board of health:

Alexander B. Briggs, M. D., president, Ashaway.
 Rev. George L. Locke, Bristol.
 John H. Bennett, M. D., Pawtucket.
 Robert M. Smith, M. D., Riverpoint.
 William L. Harris, M. D., Providence.
 Gardner T. Swarts, M. D., secretary, Providence.

Executive health officer:

Gardner T. Swarts, M. D., Providence.

Appropriation for health department:

\$24,500 for 1916.

Fiscal year ends December 31.

SOUTH CAROLINA

Board of health:

The State board of health consists of the South Carolina Medical Association, together with the attorney general and comptroller general of the State.

Executive committee:

Robt. Wilson, Jr., M. D., chairman, Charleston.
 D. B. Frontis, M. D., Kidge Spring.
 C. C. Gambrell, M. D., Abbeville.
 E. A. Hines, M. D., Anderson.
 W. J. Burdell, M. D., Lugoff.
 Wm. Egleston, M. D., Hartsville.
 W. M. Lester, M. D., Columbia.
 W. W. Dodson, M. D., Greenville (pharmaceutical member).
 Thos. H. Peebles, attorney general, Columbia.
 A. W. Jones, comptroller general, Columbia.
 James A. Hayne, M. D., State health officer, Columbia.

Executive health officer:

James A. Hayne, M. D., Columbia.

Laboratory:

F. A. Coward, M. D., director, Columbia.

Appropriation for health department:

\$55,575.25 for current year.

Fiscal year ends December 31.

SOUTH DAKOTA.

State board of health:

H. R. Kenaston, M. D., president, Bonesteel.

State board of health—Continued.

F. E. Ashcroft, M. D., vice president, Deadwood.

E. W. Feige, M. D., Huron.

W. E. Daniels, M. D., Madison.

Park B. Jenkins, M. D., Waubay.

Executive health officer:

Park B. Jenkins, M. D., Waubay.

TENNESSEE.

Board of health:

R. E. Fort, M. D., president, Nashville.

W. J. Miller, M. D., vice president, Johnson City.

V. A. Biggs, M. D., Martin.

H. K. Bryson, Nashville.

Executive health officer:

R. Q. Lillard, M. D., Nashville.

Director of rural sanitation:

Olin West, M. D., Nashville.

Bacteriologist:

William Litterer, M. D., Nashville.

Pure food and drug inspector:

Harry L. Askew, Nashville.

Registrar of vital statistics:

H. H. Shoulders, M. D., Nashville.

Fiscal year ends March 19.

TEXAS.

Board of health:

W. B. Collins, M. D., president, Austin.

L. W. Hollis, M. D., Abilene.

L. M. Weinfeld, M. D., San Antonio.

Hugh L. McLaurin, M. D., Dallas.

W. D. Littler, M. D., Fort Worth.

H. J. Childress, M. D., Gilmer.

E. M. Wood, M. D., Hutto.

W. A. Davis, M. D., secretary, Austin.

Executive health officer:

W. B. Collins, M. D., health officer, Austin.

State bacteriologist:

G. M. Graham, M. D., Austin.

Registrar of vital statistics:

W. A. Davis, M. D., Austin.

Fiscal year ends August 31.

UTAH.

Board of health:

Fred Stauffer, M. D., president, Salt Lake City.

T. B. Beatty, M. D., secretary, Salt Lake City.

F. S. Bascom, M. D., Salt Lake City.

C. E. McDermid, M. D., Winter Quarters.

A. F. Doremus, Salt Lake City.

H. K. Merrill, M. D., Logan.

Ezra C. Rich, M. D.

Executive health officer:

T. B. Beatty, M. D., Salt Lake City.

Fiscal year ends December 31.

VERMONT.**Board of health:**

Charles S. Caverly, M. D., president,
Rutland.

Henry D. Holton, M. D., Brattleboro.

F. Thomas Kidder, M. D., treasurer,
Woodstock.

Charles F. Dalton, M. D., secretary,
Burlington.

Executive health officer:

Charles F. Dalton, M. D., Burlington.

Laboratory of hygiene:

B. H. Stone, M. D., director, Burling-
ton.

Sanitary engineer:

J. W. Votey, C. E., Burlington.

Inspector:

Henry A. Ladd, M. D., Burlington.

Fiscal year ends December 31.

VIRGINIA.**Board of health:**

W. M. Smith, M. D., president, Alex-
andria.

S. W. Hobson, M. D., vice president,
Newport News.

J. B. Fisher, M. D., secretary, Mid-
lothian.

A. G. Crockett, M. D., Max Meadows.

T. C. Firebaugh, M. D., Harrisonburg.

Lewis E. Harvie, M. D., Danville.

George Ben Johnston, M. D., Richmond.

George B. Lawson, M. D., Roanoke.

Stuart McGuire, M. D., Richmond.

L. T. Royster, M. D., Norfolk.

Reid White, M. D., Lexington.

O. C. Wright, M. D., Jarratts.

Executive health officer:

Ennion G. Williams, M. D., commis-
sioner of health, Richmond.

Assistant commissioner:

Roy K. Flannagan, M. D., Richmond.

Bacteriologist:

J. O. Fitzgerald, jr., M. D., Richmond.

Assistant bacteriologist:

A. P. Traynham, M. D., Richmond.

Sanitary engineer:

Richard Messer, C. E., Richmond.

State registrar of vital statistics:

W. A. Plecker, M. D., Richmond.

District health officer:

W. A. Brumfield, M. D., Lynchburg.

Rural sanitation:

Unit No. 1 director, E. L. Flanagan,
M. D.

Unit No. 2 director, R. W. Garnett,
M. D.

Unit No. 3 director, W. S. Keister,
M. D.

Unit No. 4 director, John Collinson,
M. D.

Catawba Sanatorium:

Business manager, A. Lambert Martin.

Catawba Sanatorium—Continued.

Resident physician, John J. Lloyd,
M. D.

Assistant resident physician, B. L.
Taliaferro, M. D.

Ivor Farm Sanatorium:

_____, superintendent.

Appropriation for health department:

Exclusive of Catawba Sana-
torium----- \$56,000

Catawba Sanatorium----- 50,000

Other sources of revenue:

From International Health Commis-
sion \$7,800 for rural sanitation.

Fees for inspecting hotels, about \$1,800.

Fiscal year ends March 1.

WASHINGTON.**Board of health:**

Elmer E. Heg, M. D., president, Chi-
macum.

F. S. Hedges, M. D., Everett.

Wilson Johnston, M. D., Spokane.

Mrs. R. C. McCredie, Sunnyside.

H. T. Graves, M. D., Olympia.

Executive health officer:

Thomas D. Tuttle, M. D., commis-
sioner of health, Seattle.

Epidemiologist:

V. J. Capron, M. D., Seattle.

Consultant bacteriologist:

E. P. Flick, M. D., Seattle.

Bacteriologist:

Maria K. Schubmeister, M. D., Seattle.

State sanitary inspector:

T. R. Wilber, Seattle.

Fiscal year ends March 31.

WEST VIRGINIA.**Public health council:**

W. W. Golden, M. D., president, Elkins.

S. L. Jepson, M. D., secretary, Charles-
ton.

J. L. Pyle, M. D., Chester.

F. F. Farnsworth, M. D., Frenchton.

W. J. Davidson, M. D., Parkersburg.

W. B. Stevens, Eckman.

J. E. Robins, M. D., Charleston.

Executive health officer:

S. L. Jepson, M. D., commissioner of
health, Charleston.

Hygienic laboratory:

John N. Simpson, M. D., director, Mor-
gantown.

Fiscal year ends June 30.

WISCONSIN.**Board of health:**

W. F. Whyte, M. D., president, Water-
town.

E. S. Hayes, M. D., Eau Claire.

C. H. Sutherland, M. D., Janesville.

H. A. Mellike, M. D., Clintonville.

Board of health—Continued.

Otho Fiedler, M. D., Sheboygan.
J. M. Furstman, M. D., Lacrosse.
C. A. Harper, M. D., secretary, Madison.

Executive health officer:

C. A. Harper, M. D., Madison.

Bureau of education:

Bureau of contagious diseases:

C. A. Harper, M. D., Madison.

Bureau of sanitary engineering:

W. G. Kirchoffer, Madison.

Bureau of vital statistics:

L. W. Hutchcroft, statistician, Madison.

Laboratory:

W. D. Stovall, M. D., bacteriologist.
E. J. Tully, chemist.

Fiscal year ends June 30.

WYOMING.

Board of health:

Anna G. Hurd, M. D., president, Sheridan.

Herbert T. Harris, M. D., Basin.

W. A. Wyman, M. D., secretary, Cheyenne.

Executive health officer:

W. A. Wyman, M. D., Cheyenne.

Appropriation for health department:

\$4,700 for two years.

Fiscal year ends April 1.

PLAGUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended May 20, 1916, was received from Surg. Boggess, of the United States Public Health Service, in charge of the work:

SAN FRANCISCO, CAL.

RAT PROOFING.

New buildings:

Inspections of work under construction.	225
Basements concreted (square feet, 69,495).....	73
Floors concreted (square feet, 27,015)....	20
Yards, passageways, etc., concreted (square feet, 29,984).....	103
Total area of concrete laid (square feet, 126,494).....	

Class A, B, and C (fireproof) buildings:

Inspections made.....	137
Roof and basement ventilators, etc., screened.....	695
Wire screening used (square feet).....	3,530
Openings around pipes, etc., closed with cement.....	1,505
Sidewalk lens lights replaced.....	1,500

Old buildings:

Inspections made.....	306
Wooden floors removed.....	32
Yards and passageways, planking removed).....	4
New foundations walls installed (cubic feet).....	6,250
Concrete floors installed (square feet, 28,465).....	29
Basements concreted (square feet, 13,060).....	14
Yards and passageways, etc., concreted (square feet, 16,810).....	67
Total area concrete laid (square feet)....	58,335
Floors rat proofed with wire cloth (square feet, 4,060).....	5
Buildings razed.....	14
New garbage cans stamped approved....	525
Nuisances abated.....	319

SAN FRANCISCO, CAL.—Continued.

OPERATIONS ON THE WATER FRONT.

Vessels inspected for rat guards.....	13
Reinspections made on vessels.....	23
New rat guards procured.....	7
Defective rat guards repaired.....	13
Rats trapped on wharves and water front...	38
Rats trapped on vessels.....	43
Traps set on wharves and water front.....	131
Traps set on vessels.....	223
Vessels trapped on.....	13
Poisons placed on water front (pieces).....	3,600
Poisons placed within Panama Pacific International Exposition Grounds (pieces)....	32,500
Bait used on water front and vessels bacon (pounds).....	6
Bread used in poisoning water front (loaves).....	9
Poison used on water front (pounds).....	3

RATS COLLECTED AND EXAMINED FOR PLAGUE.

San Francisco:

Collected.....	500
Examined.....	411
Found infected.....	None.

Oakland:

Collected.....	14
Examined.....	14
Found infected.....	None.

RATS IDENTIFIED.

Mus norvegicus.....	243
Mus rattus.....	99
Mus alexandrinus.....	120
Mus musculus.....	47